



KEY NOTE



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SUBS
Cheques etc. to FISTS C.W. CLUB.
N. America to WZ8C, others to HQ.
UK: £5, EEC: £6, Europe: £7
N. America: \$15.00, others: £10.
CLUB BADGES: \$3.50
Stickers 200/\$5 from W8E

NETS
Sunday: 0930 & 1430 on 7029. G0IHK
Sunday: US 2000Z on 14058. KC4UUG
Saturday: US QRQ Net 1000 EST on 7040-045
Saturday: US 2000Z on 14.058 NP2GP
DX 7/14/21/28.058 on the hour for 15mins
Pse keep watch all Novice allocations
UK Net Controls use GX0IPX/P

25266 HAYES, Roseville MI 48061

Listings

Up-dated listings may be obtained from N8IAG 3050 Rochester Rd, Dryden MI. Pse send SASE.

SUBS

Your renewal date is printed on your mailing label.

GREETINGS

Sorry for the delay (again) but on this occasion it is not really my fault. ur Postman (G0FRL) has been over to the US with the paraplegic bowls team and in order to get everything co-ordinated (QSL cards and etc) it had to be delayed for his return.

Summer is with us again and a magnificent high pressure zone sitting over the UK and a much of Europe brought us temperatures of 27c early this month. I did manage to get on the bands on odd occasions and amongst those worked were G3JPZ for the first QS. He is looking forward to the visit of his old pal Mike, KA3YAK at the weekend.

Now I'm getting real worried about SK week. Thus far I have had only one report which included a log and nomination. From this lone log, I know that there were a number of you active so what about some logs and nominations??? My own efforts during the week were hampered by problems with the computer and indeed of the few stations worked, none were FISTS members. Hardly surprising since I was only able to devote about 45 min on 80m during Thursday evening.

The saga of my busted W3DZZ continues. I got a "professional" to go on the roof and piece the thing up and wondered why it was not bouncing the way it should. A local ham (G1ECC) turned up complete with ladders and we dropped the antenna so that I could work on the joint. My "pro" had made the most inglorious mess simply folding the loose wire back on itself and hoping for the best. We cleaned up the broken ends, bent 'em round a bolt, squeezed 'em together with a couple of washers and a screw and then ran solder over the junction. It is a different antenna now. Hi.

THE STORY OF THE KEY

A book of this name which is published and distributed by Morsum Magnificat is in A5 format (as is MM) and costs ú3.95 (UK), ú4.25 (Eu Airmail) and rest of world (surface mail). It contains an authoritative six-part series on the history of the Morse key reprinted from early issues of Morsum Magnificat. The articles June 1995

were written by the late Louise Moreau, W3WRE, a highly respected telegraph historian and collector of keys, who died in April 1994. The book is dedicated to her memory. It describes the development of the Morse key beginning with Vail's 'Correspondent' (used on Sam Morse's triumphant Baltimore to Washington demonstration of 1844 and the various improvements initiated by telegraphers themselves. This of course resulted in the wide variety of keys which were born in the following years. I have a complimentary copy and found it absolutely fascinating. This book is highly recommended and I apologise to G4FAI for being unable to squeeze this item into the newsletter earlier.

PACKET

Further to last month's item, I am now up and running with a Kam Plus. My local BBS is GB7PWY, the full address of course being G3ZQS@GB7PWY. I know that sufficient of you also have packet facilities to justify adding an extra field to the database so if you would like the routing included for reference please send me a short packet message. This will enable me to print out a full listing of members and their BBS's on demand. News items of course can be sent this way which is convenient for those not subscribing to E.Mail and indeed this was the object of the exercise.

THE SIAULIY KRASTAS AWARD

Contact stations from the following LY districts: Kelme, Akmene, Joniskis, Radviliskis, Pakruojis, Telšiai, Siauliai and Mazeikiai. EU need 6 and others need 3 QS s. Contacts since 1 Jan 1990. SWL K. All modes and bands. No SL required, send extract from log and 7DM, \$5.0 US or 10 irc to the award manager: Vilmantas Morkunas, LY3BY. P Box 88, LT-5400, SIAULIAI, Lithuania.

MISSING KEYNOTE

I am sorry folks but due to circumstances at this end, I have had to run two news letters together. Ivy was very poorly with a suspect heart failure and I have also been very much down in the dumps myself. I hope this will not happen too often though and the bonus is that Ivy has recovered but is very much QRS compared to her condition before the problem.

IS THERE A PURPOSE?

Carl **KR4VQ** writes with the heading "What is the purpose of being a FIST member". Carl feels that many members are losing the concept of what the club is really all about. Asking why they do not check into the nets, he often receives the reply that the nets are too slow. This can be resolved by starting a QRQ net on (say) 40m in the evenings. "I think I would enjoy that and maybe it would make other members happier but still, we are missing out on the whole idea of what being a FISTS member is all about".

"What do we mean by Morse Preservation? I believe that we mean that we are trying to keep CW from dying out in the amateur bands. That we mean to keep it alive for many generations to enjoy in the same way that we have enjoyed it. And just how do we accomplish this? I believe that we can do this by setting aside a little time each week and slowing down for our new ham friends who are just getting started. I believe that we can do this by spending a little of our time on the Novice segments of the bands and by trying to get the newcomers to our hobby interested in the mode that we love and enjoy so much.

I can remember when I was ready to go on the air on HF, even though I had my General class licence at the time, I headed straight for the 10 and 15m Novice segments. There I was greeted by many T's who encourage me and helped me out. I have been a ham now for about 5 years and have spent about 3 of those years on the HF bands and NLY working cw. I have become a CW fanatic. I love it and to tell you the truth, I wouldn't change it for anything in the world. I believe I enjoy CW as much as I do today because of those people whom I encountered at the beginning, people who were willing to slow down and take the time to give me the encouragement that I so much needed.

In our hobby, we have more than enough time to enjoy fast code anytime and anywhere on the bands. Please, for the sake of CW and those who are new to the hobby, take the time and get the hams interested in CW by getting on the Novice segments once in a while".

I have been preaching this for years Carl and thank you for adding your voice to the argument.

BANKS AND YOUR SUBS

VK3WQ Marlene comments on the cost of subs via the bank. Know watcha mean petal - I get hassle whenever I take a trip to the bank with an o/s cheque which does not bear the Eurocheque logo. Two years subs by all means but easier I think to find a source of green stamps or UK banknotes. I got a personal cheque from a French member which was written out to Sterling. The bank manager worked out that it would yield just over £2.00 but if the member were to re-issue the cheque made out to the appropriate value in Francs, he would exercise his prerogative to waive bank charges. I get this sort of problem most months. Local currency (Francs, DM etc) is not too bad because Bob (G0FRL) does a fair amount of travelling and is usually able to change it at reasonable rates but on the

whole, it would be easier if (particularly EU members) could either use Eurocheques or find someone who would write one out for him and simply transfer the amount into that bank account. There is a huge difference in the charges that different banks make and this was highlighted on a recent TV programme showing a deviation of as much as 300%.

BRING N` BUY DBASE

Got a letter from A & L Florence the t'other day introducing the service above. If you are floggin' any gear or looking for a specific item, then this may help. If you are searching for equipment under "Wanted", it costs £1.00 for the first two items and £2.00 for an extra two. Items on the database are open for 3 months and if the database cannot score a hit then your payment is returned. Selling? It costs £2.00 for the first 6 items. Further info from:

The bring and buy database, 23 North End, Meldreth, R YST N, SG8 6NR. Phone/FAX 01763 262443

FISTS DECLARATION

A declaration of purpose and policy for the NA FISTS is in existence. Formulated by Vince **WB2EZG** it outlines certain conditions which are at present effective in the US which are either implemented or influenced by the ARRL and FCC. Licensing conditions are relaxing over there despite protests from what would seem to be a majority of existing amateurs. This document makes it clear that NA FISTS deplores this easing of requirements, not only in the Code requirement but also in a perceived easing of theory requirements. Taken directly from this document:

Whereas, FISTS, the International Morse Preservation Society, noting with concern the general trend to ease Morse Code and theory exam requirements for Amateur Radio licensing during the past two decades; And Whereas, noting that easing of requirements indicates abandonment of the traditional mission of amateur radio as a technical hobby pursuant to the spirit and guidelines originally set forth in Part 97.1 of the Communications Act of 1934;

This is purely internal to the US of course but I have been urged to institute a similar declaration in the UK. Relaxing of requirements in this country of course is in no way as sweeping as this (they have for instance a multiple choice option for demonstrating Morse Code proficiency).

Members who serve as examiners are encouraged wherever possible to conduct such examinations in the traditional manner requiring one minute solid copy of plain text at the given speed. It also encourages all who are or might be in a position to affect the issue, now or in the future, to maintain Morse Code proficiency as an international standard for licensing in the Amateur Radio Service. It also urges the ARRL to reinstitute the traditional Morse examination and requests that the FCC eliminate the multiple choice option in favour of the above standard.

I received a copy of this document direct from Nancy and also via one of our UK members who is clearly anxious that we make our views known in a similar

manner. I am sure you are aware that I have enough on my plate at the moment what with caring for Ivy and publishing Keynote together with other duties so, if anyone concerned about this issue would like to formulate an appropriate declaration then I shall do as the NA members have done and ballot the members accordingly. The US ballot incidentally resulted in a 95 percent acceptance.

Vince incidentally has circulated their declaration to just about anyone who is anyone over there including members of the government.

PRACTICAL WIRELESS

I was delighted to see a mention on page 45 of the June issue of PW and they have gone to town in covering CW generally. Anyone with limited funds would be well advised to read the article by **G4BXD** where a simple home made single paddle (would you believe an old 6-inch rule) and some very basic logic, produced a very usable item. A couple of ubiquitous 555 timers together with a pair of 4027s and a 4071 form the 'meat' of the circuit and it should be possible to build this one for under a tenner. Indeed, **G4SLU** did just that and has included a few tips such as a veroboard layout. "Wot's veroboard?" I hear some of you ask. Whilst I confess that it has largely gone out of fashion (being replaced with home made PCBs) it was great for laying out simple circuits prior to bringing the local power company to its knees.

Editor; Rob Mannion (**G3XFD**), expands on the problems of learning (or teaching) the code and drifts between inked tape (ughh), punched tape and electronic tutors. Interestingly he poses the question; why is it that after I learned the code (sound-wise) was I able to read an aldis lamp? I was about to refer him to my tame psychoanalyst but he answered the question himself. Once the neural connections (synapses) are made, the brain is able to accept the rhythm from any of the senses (I aint yet smelled it). I knew many deaf ops who read by simply touching the cone of a speaker and as a young matelot with my pals in the company of girls, we used to discuss their relative merits in their presence by simply tapping code out on the table top. We even communicated visually by tapping an imaginary key on a sleeve or tunic. Fortuitously we never encountered a young lady who could read our comments.

There are also illustrations of many commercially available keys which I confess made my mouth water.

THE LAST WORD FROM NMN

Harry **GW0PNC** listened regularly to NMN, the US coastguard station in Chesapeake Bay and proffers their final message on 1 April:

NMN = 010001Z APR 95 fm cogard comscant Chesapeake VA/NMN to all = USCG now closing down continuous HF watch ceasing all Morse Code ops in the HF band and as we conclude our watch we wish the Maritime community fair winds and following seas = We are proud of our tradition and long standing service to the mariner on Morse Code beginning 1901 with the revenue cutter service experimenting with

June 1995

Morse as a means to communicate on land and sea to the first Morse Code radio installed aboard cutter Grant in 1903 = ur original commission was to receive distress reports but since 1902 the CG has faithfully and diligently listened for and responded to hundreds of thousands of calls from mariners in need of assistance position wx nav or safety info = ver the years we have provided the mariner with safety and nav warnings over HF CW and rcvd vessel location updates = We will feel a sense of loss with the passing of CW and a fast and precise key will be replaced with computer modes and auto alarms = The special occasion and excitement enjoyed by cw operators cannot be duplicated.

Harry's hand leaves gives me a small problem but I think I have it right. The message terminated with:

But CW has run its course and we look forward to serving you on the next generation of comm systems via the GMDNS = Wishing you 73 and what God hath wrought + VA de NMN.

Thank-you Harry.

THE STRAWBERRY BASKET

G0CIJ. Mike writes to say he is going away for an indeterminate period sailing in blue warm waters but he gives no dates - most cryptic. **G0LIU**. Includes a quote from an old Radcom with his subs: perating CW is still unsurpassed in personal enjoyment of an internationally recognised skill". **ZL2AOH**. Ralph has done a temporary QSY to JA and despite some mangling of his proposed address, he received the Keynote K. There is no reciprocity twxt JA and ZL so a licence is not possible but there is an agreement between JA and VK so he has written to Melbourne asking them to reinstate his **VK3ETV** call so that he can press for a reciprocal ticket. He has met a couple of local Hams one of whom has DXCC honours, having worked all countries; some achievement. He has now heard that he has achieved his CW DXCC and mentions the frustration of trying to find the final elusive countries. Well done Ralph. **G0HGA**. Despair not Angie. I think there are times - particularly when under stress - the we all feel like throwing in the towel not only in ham radio but other interests too. **G13NQH**. John challenges my view that the Marine R/ was unshackled as regards procedure. During the war of course I would expect this John but the fact remains that a trailing IML is more intuitive than a preceding INT which is what I stressed most. During the war, procedural constraints were imposed under the Admiralty's world-wide BAMS maritime communication organisation, contravention of which could have had a most desire consequence for the operator(s) concerned. **G0ELH**. Bob sometimes has problems deciphering the odd abbreviation appearing in Keynote. In general though, he saw what I wrote but knew what I meant. Hi. **GDJA**. Dave is QRL constructing a 28/144MHz transverter hence his silence on 2m. He does however have 50 and 70 MHz capability. Finds competition reduced on VHF CW and finds that often a DX station will QSY from SSB to CW for a breather.

Look for the gang on 058 on the HF bands, around 025 - 027 on 40 and generally HF of 3.550. **GW4IGQ** who joined us recently suffers from rheumatic arthritis. Hands and wrists are frequently affected so operating is dependent upon health factors. **G4MLW**. Congratulations are due I feel. Ian includes the legend Ph.D. to his title. After all that conning he is looking forward to some well deserved time on air. **G4BWJ**. Barrie joins the ranks of the professional scroungers. As one layabout to another mate Welcome! Why not dig up an adr for station you mentioned and sponsor him? **G3GXQ**. Wally makes note of the amount of bangs, crackles and hisses that plague just about every band in his area these days. If you can hear the insulators crackling on the power lines mate you sure do have a problem. **PA3BHK**. ur Robert is now president of the Benelux QRP club. He finds it hard to fit ham radio into a life with a tiring job and all kinds of social obligations together with other hobbies. Dunno Robert, I may not touch the rig for a full week but when I get real wound up it helps me relax.

ODDS ' N ENDS

GW4GCB reports that he had a big response for the keys he mentioned and as a consequence, they have all been sold though he is keeping his eyes open for more on his travels. His site is about 400' asl and only one mile from the sea so the versatower which is supporting his trapped dipole is proving a real bonus.

G4OOS has been helping out with **GB4HPS** at a local primary school. and was chuffed to find the number of youngsters who were fascinated with cw. Some of them took no time at all to send their name on the paddles. Headmaster "When are you coming again"? Must have gone down great with all concerned. **G0SDA** Colin mentions a nervous breakdown which took him out of circulation in 74. It was in 89 when he began to show some improvement and it was Amateur Radio and CW which put him back on his feet again. **G0STR** reports on a trip to Spice Island (Grenada) where he hauled a Ten Tec Scout, a straight key and a W3EDP. The sun was H T, the warm sea crystal clear and the rum is best described as "falling down water". It was after midnight gmt when the bands offered some joy and on 40m he reports EC, ZA1, HA, S51, KP4, CM6, 8P6, UA6, DK, GM, VE, SP, YL PJ8, W and N 3.

30M yielded W4, T14, J6, DK, PY and G whilst 15m produced only LU and EA. Most reports were in the 559 to 579 area and GM3ITN thought he was joking about the 5 watts rising above the QRM on 40m. Sounds like a lot of fun Bill and I am green with envy. **G0SZE** includes a log of his activity during the SK week. He found poor activity in general and the FISTS members he worked were similarly dismayed. A contest on Friday evening resulted in the usual rash of yobbos who called TEST on top of QS s with no concern whatever.

G3TUX send me a piccy himself on one of his display stands and reminded me that the Bury ARS was holding a rally. Sri Chris, the aforementioned problems intervened and in any case, transport was non-existent.

SATELLITES GALORE

I recently received a circular from **G7HIA** together with a small booklet describing the new P3D due for launch APR/95. The launching of satellites has to be paid for by the users. UK amateurs have already contributed substantially towards the construction of the Phase 3 D box of tricks (ú110.00) and Amsat UK along with other organisations are keen to boost the funds towards the ú600.000 cost of launch.

December next year should see the demise of scar 13. A variety of factors such as the time of launch and the orbital orientation, resulted in an unfavourable orbital configuration that has subsequently become better understood. scar 13 is in a decaying orbit and will soon start to experience atmospheric drag at perigee (heck I have had that condxn for years) and thus end its operational lifetime prematurely. Future projects are designed to take into account the features that caused this untimely declination. The first satellite of the Phase 3 series was to be launched on 23 March 1980. Due to the failure of the first stage of the Ariane-L02 rocket, the launch was not successful and the rocket fell into the pond together with the satellite P3-A.

Immense financial and human efforts came to fruition with the launch three years later of the successor, PE0B, on 16 June/83 which even today circles our earth as scar-10. As a consequence of a collision with the final stage of the Ariane rocket, A -10 did not reach its designated orbit and remained stuck at 28 Deg inclination but this did not affect normal operation via the satellite.

P3D differs from its predecessors due to its size. The satellite is approx 10 times as large and four times as heavy as A -13. With solar panels extended, it has a diameter of almost 6 metres. It will have a launch weight of near half a ton compared to the 140KG of A -13. At the beginning of its life expectancy, the extendible solar panels will provide peak electrical power of nearly 600 Watts enabling it to sport more powerful txs than its predecessors. The operating module (Rudak) will support in addition to CW and SSB, SSTV. Rudak will have a total of 12 demodulators and a max of 8 modulators distributed among the various receivers and transmitters in the satellite. Besides the very effective 1200 Baud BPSK, speeds such as 9600 Baud FSK and higher are being planned. The pay off here is that ground stations throughout the world will receive the satellite with very modest antennas - even hand held radios will receive it. There is much more to this communication but basically they are after out brass. At the present moment, we have very few members taking advantage of current satellite communications but improvements with P3D may encourage a lot more activity. With this in mind, on behalf of the club I have made a donation of ú20.00.

NEWS FROM THE US

Diane **N2QPI** is now Extra class and her call becomes **AA2WG** and the patter of tiny feet has invaded the tranquility of Tim's **KB8OHF** shack. Charles Timothy will doubtless be several dB over 9 so perhaps Tim will be in the market for sound-proofing material.

The gang over there has organised a QRS net on 28.170. Given the current condx on 10m this may well prove to be problematic but any activity on 21.100+ or 28.100+ will always be welcome.

Prior to Dayton, Nancy was processing new members at a very impressive rate indeed. Her workload is set to grow dramatically with the Dayton exposure and more US FISTS roping in their friends.

Now that the band condx are improving, there is certain to be a lot more transatlantic chit chat. The snag with winter of course is that the HF bands fall out very early. Now, we are getting into the situation when the bands are open until midnight or beyond which means that both sides of these QSOs are out of bed (we in EU being more ready for our beds than in the US) but contacts are bound to be more prolific than during the daytime when the US gang have just crawled out of bed and are faced with the prospect of working for their com.

FINALE

Once again my apologies for the delay in this one. I will try to keep up in the coming months. May be off the air for a while because the rig seems to have flown a buse and I am getting nil output. The voltage is there on key-down but of current there is not a sniff. Hope it aint the driver bottle but if this is the case then so be it. Probably something simple but no time at present to investigate.

I have however been enjoying a degree of activity mainly to provide some sort of deviation from the normal run of the mill routines at 119.80m has turned up quite a few members though there has been precious little activity from across the pond on the HF bands. Again, I think the operating times are the problem since my p.m. sessions coincide with a.m. over there.

In the meantime, I have had problems with CompuServe and have only recently been able to download a whole stack of E-mail waiting.

Not only am I seeking to add to the records to accommodate Packet addresses but also, if sufficient interest is there, an additional field for the spouse so that OM/YL listings can be made on demand.

I hope the sun continues to shine on all you good people. A brief wintry spell has been overtaken by warmer stuff.

Have fun people, conditions may well tempt you into the garden at the cost of on-air activity but your continued presence on the bands would be much appreciated.

73/88 es stay stober, Geo

NORTH AMERICAN MEMO

by **WZ8C** - Ms. Nancy Kott

P.O. Box 47

Hadley, Michigan 48440-0047

WZ8C @ KF8JS.#NEMI.MI.USA.NA

Phone : 1-810-797-5388

Hello FISTS! The applications keep pouring in! Thanks to all who are sponsoring your friends and getting on the air calling FISTS! Thanks to you, we have almost 500 North American FISTS now. I can't believe it, but Geo kept telling me it was going to happen, hi. I am ALMOST caught up on all the stuff resulting from Dayton. If you haven't gotten a response from me regarding something I was supposed to take care of - hang in there. I can see the bottom of the pile and should be through it in a week or so. I have processed all the new FISTS who signed up in Dayton, so if you know someone who hasn't gotten their FISTS number yet please let me know. (Except for Jack's **WB2FXK** generous sponsorship of two DX stations).

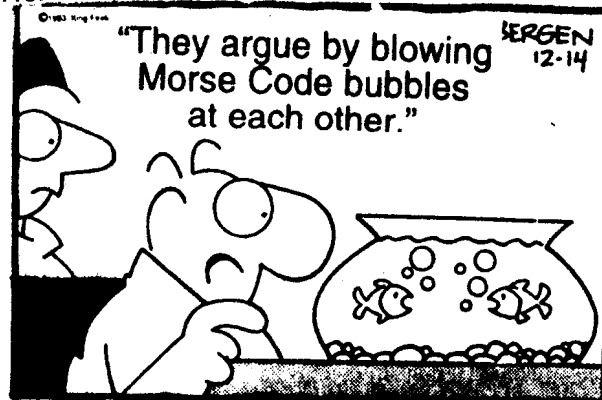
Field Day will be history by the time you read this, I hope some of you got together with other FISTS. And I hope you all had fun! Send in your stories and observations to share with us.

Geo has solved his CompuServe Email problem, and we are all up-to-date and in synch with the Keynote, **WHEW!**

We have some interesting ideas to share this month, so without further ado, here is your June Memo:

WorldWide Frequencies

Charlie **KA8OQF** wonders if it would be worthwhile to undertake a project of making a compendium of "Novice" or equivalent frequencies of other countries, for those of us who like to work beginners. He wrote to QST with the suggestion, and Steve Ford, the Assting Managing Editor answered. Steve indicated that even though the idea was interesting, the beginner readership of QST is mostly Tech's these days, and Novices are becoming an endangered species. He thought the idea would have too limited appeal to be of interest. Well, I think it would be of interest to most FISTS! I know there is a table of sorts in the FCC rule book that lists the frequencies other countries can occupy, but I don't remember if it is broken into classes. If anyone thinks this would be a good project and would like to help Charlie or offer suggestions, you can write to him at 26 Mello Ave, Dayton OH 45410-2119.



Help! What do I say?

I've had FISTS ask me from time to time, *WHAT DO I SAY WHEN PEOPLE ASK ME ABOUT FISTS ON THE AIR???*

First of all, don't panic, hi! This does put you on the spot, because you don't want to go into a lengthy explanation of CW is in danger because of people who don't understand the simplicity and beauty and joy to be found using CW... it would be nice to have a basic response to have handy. That is reason for the little sticker enclosed with your Keynote this month.

I am hoping you will stick it near your key where it will be an easy reminder for you to help spread the word.

A lot of the hams at Dayton had never heard of FISTS until they saw our booth. Don't you think we should do something about getting more recognition? How does this sound?? When you get on the air for a QSO, first call CQ FISTS! Probably, no one will answer (altho almost always somewhere, someone will have heard the CQ) because they are not sure what the call means, unless the listener is a FISTS member, in which case, this is a good way to get to know each other. If many FISTS do this, every day on every HF band hams will be hearing the name FISTS. Soon, their curiosity will get the better of them and they will answer your CQ FISTS to inquire what it's all about.

That's where the sticker comes in. It's a simple message that basically tells what we're about. You are welcome to elaborate on the info, of course!

You would probably be surprised how many hams are monitoring your QSO and will hear this message. Be among the first to start! Let's let everyone know we exist.

If people want more info, feel free to tell them to send a SASE to POBox 47 Hadley MI 48440-0047 for a sample newsletter, and if you think they would be a good candidate for FISTS membership, nominate them! I'll be happy to send applications and info sheets to you, so you have them handy.

Just think of the possibilities, with 400 NA FISTS, odds are that someone, somewhere will be on the air at any given time. Calling CQ FISTS will help you make Century Award points and help spread the FISTS word! Let me know how it works for you!

Mikes Magic Antenna

by Mike N9JIY

Here is a super-simple antenna that's easier to hang than an end-fed wire, AND it works MUCH better. I found it in the MI-QRP newsletter in an article by Rocky (The Rock) W9SCH. It's a half-wave long like a dipole, and he says it's the true original Windom.

I gave The Rock a couple calls and he explains the theory of the antenna as this: a dipole has impedance of 70 ohms at the center, rising to about 3500 ohms at the ends. If we want to match a feeder to the dipole, we find impedance of the feeder, then connect it to the dipole where that impedance can be found. The impedance of a single wire feeder is about 20 ohms and is found about 15% off center on a dipole.

So, to make this antenna for 80 M, cut a 130 ft piece of wire, and attach a single wire feeder .15 x 130 = 19.5 ft off center (45.5 ft from one end.), instead of the middle. Note that the dipole isn't split in two legs. It's a single unbroken length. You can make one for any band by following the feed-15%-off-center rule.

Suspend the antenna from insulators and bring the feeder into the back of a good tuner. I have a MFJ 945C and the antenna works connected to the center of the coax plug OR the wire feed tie-down.

You'd think such a lash-up would need a very good ground and no doubt it would help. However the only ground I have is a connection to the house-wiring conduit, and the antenna works fine! I've even disconnected that poor ground and the antenna will still load.

This antenna replaced my big (but low) full wave loop for 160M. It's average height is probably double the loop, maybe 24 ft. It hears a lot better than the loop, but it is quite a bit noisier. I'm getting good signal reports on it. The antenna and feed wire are both cut from aluminum electric fence wire... 1/4 mile for \$10.

Couple of comments, when I did my antenna for 80M, I had to cut it longer than 130 ft before it would work on higher bands. I have 150 ft of wire up, but it loads to 1:1 on all bands 80M to 15M. It won't handle 12 or 10 meters, but will load for the top half of 160M.

According to The Rock, I may have to fiddle with feeder length and exact location of it's connection to the antenna. I haven't done that yet. I didn't try shortening the antenna from 130 ft.

Finally, the off-center-around-200 ohm location should be a pretty good match to 300ohm TV twin lead, if you wanted to put up a more conventional split type dipole. A 4:1 balun would let you match this line to your tuner. My MFJ 945C has this balun built in to the balanced line connection. More off-center might be a better match.

Anyway the antenna is strong and light, and it puts the feeder closer to the house than a dipole. There is no construction to it, and it works! I'd be interested in hearing from others who have/will try it. Maybe Nancy will put your notes in the newsletter, too

My address is Mike N9JIY, 2437 Magna Vista Dr, Jackson WI 53037.

Sunday QSO Party Report

Don KC4UUG sends in this report for the month of May: There was not much going on during May. Band conditions on 20 meters were very poor during the whole month - the propagation bulletines from W1AW reported occasional periods when there were no sun-spots visible, and WVV reported a record low (66) in the solar flux, along with three different periods when the A-index was at minor storm levels! And so the burning question arised: Is this, finally, the bottom?

During the month there was a new threat to peace and quiet on 14.058 due to QRM caused by the German digital station KL1HBU. This station was modulating its upper sideband with an air of tones (the usual way its done) but it did NOT suppress its carrier which was usually right on 14.058. To make matters

worse, its powerful transmitter was overmodulated so it could be heard for a little bit more than 4kHz bandwidth even when other stations in Europe could not be heard at all. In May DL1HBU really got going with a daily schedule that started about 2030UTC and continued on for hours. It caused early endings to our parties May 7 and 14, and it caused us to try QSY without much success on May 21. Then a miracle happened. On May 22 it was heard for only about 15 minutes and it has not been heard since! Did someone stick a needle through HBU's coaxial feedline?

The Spring Sprint was a really great idea, and I also think that a Sprint every season should be tried. I missed the first half hour because my VE session ran overtime, and the last hour of the sprint came to an untimely end for me when DL1HBU got going on 20 meters. In spite of it all, I managed to work 17 FISTS plus 5 non-members. I heard you (WZ8C) but you were busy at the time and I didn't want to interfere. So I QSY'd down a bit and called you - but you didn't hear me. Dam it! that's what I get for being polite!

That's right Don, being polite when trying to get my attention doesn't work very well most of the time, hi.
Here are the check-ins for the month of May:

Has the sunspot cycle hit bottom yet? It sure sounded like it! Condx very poor-QSB, weak sigs and QRM
May 7: NP2GP, NA8G, N9VKY, N2PLE, N4VEF, KR4VQ, VY2RB, KE4HZM, NP2GQ.

May 14: NP2GP, KC7DQV, WB2FXK, KB0JTS, N2PLE, N1DNM, N7CFA, VY2RB, VP2VI.

May 21: NP2GP, N2PLE, AA1KF, N1MHC, KE4HZM, NP2GQ.

May 28: no party, CQ WWW DX contest in progress.

A Visit From G0TGU

Diane AA2WG wrote to report on her first "Live" visit from a FISTS member! Bill Collier G0TGU from England telephoned her from Long Island where he was vacationing with his wife and two children. He said "I am here and would like to meet the FISTS with the Dipole hanging out her 23 story apartment."

He had written Diane several months ago saying he was bringing his family to New York City, so his call was not a complete surprise. They had a great visit. He and his family made it into Manhattan, no small task for these gentle Englishfolk, who had been warned about the horrors of New York City. They talked Radio, Family, Politics and the ever fun Royal Family. It was a great visit, and Diane is glad he had the foresight to call. She will be looking for him on the band, around 14.054 about 7 or 8 EST. Bill says that WZ8C is hard to get, but he has had a QS with me, hi! He took their pictures, with the radio, of course, ate some American Pizza (in England, pineapple is a common topping!) and gave Diane his FISTS pin as a memento and left, hopefully feeling closer to FISTS in North America. She would do it again anytime!

It sounds like you did a FB job as Ambassador for NA FISTS, Diane. I'm glad it worked out for you and Bill - it makes the world seem smaller, and a friendlier place, doesn't it!

Encouraging Words from N2PLE

CQ CQ CQ ALL FISTS members de N2PLE.....

Band propagation conditions duly noted, I looked forward with anticipation to our first FISTS Morse Club Sprint 13 May 1995 from 1700Z to 2100Z.

Although I enjoyed myself, it was sad to note that there were all too few club participants. Taking into consideration the apprehension of slower CW members to commit themselves to entering what could possibly have been a frustrating experience, I would at this time like to remind you of the premise of the FISTS Club: The use and preservation of Morse Code.

If all operators in the club are to embody this premise, and I surely hope this is so, then this would be my suggestion to the members that aren't yet QRQ (*high speed*): Please enter ALL future club CW events. Here is a way to join in regardless of the speed of the sending operator - Send your answering call sign followed by **QRS** to the station that is CQ'ing the club special event. (for example N2PLE de WZ8C/QRS)

QRS does not mean "I'm a lesser quality operator". It means, especially in the club, I am not quite ready for your speed, but I wish to participate.

I am positive your call will be answered and your request honored. It is always a thrill for me to work an operator QRS, then meet him/her on the bands a while later and discover the same operator QRQ. Something is working right and our club is going forward.

If we are to have a viable organization, I for one want and need all members participating in our club events. So jump in there, get your feet wet & you will be pleasantly surprised at your immediate acceptance. Not only will you build your confidence, but also you will meet some great radio friends, and it's fun, fun, fun!

Cliff makes a good point here, FISTS! 99 percent of the ops out there (and 100 percent of FISTS, of course, hi!) will slow down to your speed, and there is no shame in asking someone to QRS. We would like to see everyone having fun with our FISTS activities and it's an easy painless way to improve your operating skills! Cliff continues with some thoughts he'd like to share:

I suppose some of the aforementioned thoughts were brought on by the demise of the Coast Guard CW stations. I can't seem to get it out of my mind. Not only will my years in submarines remain fond in my memory, but my activity as a Navy radioman hold much the same thoughts. Through the years I have always thought of CW as a solid friend who would never let you down. I was saddened by the closing of the CG CW stations. Having known the code now for 56 years I felt as if a close friend had gone Silent Key.

Cliff is in a new QTH, a "half-way house for certified CW nuts", with 5 acres to grow antennas. He has permission to run Beverages on the farm next door for the winter 'test season. It's very rural w/no TVT or power line problems! He says the population is 602, which has my QTH beat, my town of Hadley boasts 372! Good luck w/ raising those arrays Cliff, & write something for us about the Beverages, I think everyone has wanted to try one of those at one point in time. I know I have! Thanks!

First Spring Sprint Results

Activities Coordinator Pete K8 UA tells us the results of the First Annual Spring Sprint:

"Well, I'm not going to say it was Sweepstakes or Field Day but judging from the comments received from those who participated, the first FISTS Spring Sprint was a fun event and one that we should continue to sponsor. The Sprint was held on the afternoon of Saturday May 13, from 1700-2100 UTC.

From the very beginning of the contest it was clear that some of the long-time members would play a big role in the final results. It was also clear that conditions were going to be less than ideal and that 20 and 40 were going to be the most active bands. And, that's the way it worked out. I checked the non-WARC bands 10 - 80 meters, and found that only 20 and 40 had any activity on them at all.

14.058 was the place to be. Maggie **NP2GP** and Don **KC4UUG** were there, and working stations throughout the contest, to the point of finishing numbers one and two in the overall score. In the final analysis, Maggie proved too much for the rest of the field, and her overall score of 2251 was far and away better than any other station. Congrats also to Don **KC4UUG** for the second place score and also to a brand new FISTS member, Garie **K8KFJ**, who finished a very good third. **VA3RON** is the only non-FISTS to send in a log.

Call	FISTS wk'd	Non-FISTS	QSO pts	Mult	Total
NP2GP	19x5=95	12x2=24	119	19	2261
KC4UUG	17x5=85	5x2=10	95	18	1710
K8KFJ	14x5=70	4x2=8	78	15	1170
N2PLE	13x5=65	5x2=10	75	12	900
K8OUA	9x5=45	8x2=16	61	14	854
WZ8C	11x5=55	4x2=8	63	13	819
VA3RON	9x5=45	4x2=8	53	11	583
AA1KF	8x5=40	5x3=10	50	10	550
KE1AGT	10x5=50	2x2=4	54	10	540
WB2FXK	6x5=30	5x2=10	40	8	320
WO8E	7x5=35	1x2=2	37	8	296
KC5GXL	4x5=20	1x2=2	22	4	88
K7WF	4x5=20	1x2=2	22	4	88

Pete's comments: This is the first contest I've ever organized or tabulated results for, I enjoyed it. But I know of many participants who didn't send in their logs. Rumor has it that a couple of them would have challenged Maggie in the results. It was obvious that the contest was set up for those east of the Mississippi. I felt for Stu, **K7WF**, way out in WA, and Dan **KG5GXL** in TX. Not only did they have to fight poor condx, but the tyranny of distance as well. All I can suggest is we need more Western FISTS to become involved so our 5,6, and 7's will have more chance to score on the lower frequency bands. Let's work on it for the next Sprint. I consider the first FISTS Sprint to have been a success, and we WILL be holding another in October--watch for it! It was particularly rewarding to read comments from non-contesters who said that this was the first contest that they had enjoyed. Read on!

K8KFJ: "I really enjoyed participating the Sprint today. I met a lot of new people...(with)...a common interest. Nancy was kind enough to call me...and tell

me my new FISTS number..to use in the Sprint.:/

KC5GXL: "It was quite fun, did QS with many people, but I had fun...it seemed like nobody wanted to QRS...and I was kinda disappointed. But I still had fun and till definitely do it again.:/

N2PLE: "All in all, considering poor propagation and a lot of FISTS ops afraid to get their feet wet, it wasn't a bad sprint for the first time out of the gate."

AA1FK: "Nancy called to give me my FISTS number the night before, never been in any ham contest before so I gave it a try, but had to take an hour break, too much, use a straight key."

NP2GP: "Good show! I'm not a tester, but that was fun. FISTS are S polite! I hope we can do it again in a few months."

WO8E: "I didn't do that great, but it was fun."

VA3RON: "Altho I am not a FISTS member, jut thought I'd send this along. Would appreciate info re membership."

KC4UUG: "I don't do much contesting, but I have heard a few, and I think that without a doubt, the Sprint was the most polite contest I ever heard! And it was fun!"

KE4AGT: "...(All)...except **K8OUA** worked on 5W using 40-40 rig....into Ramsey Q Amp, tnx Pete!"

There you have it! If you didn't make it into this one, you'll have another shot in the fall. If you did take part, but failed to send in your log -shame on you! May your key rust and you contacts become clogged!! Thanks to all who participated, and I look forward to seeing you on the air soon. 73 Pete K8 UA Activities Coordinator.

Psychological Pleasure

Dave **KC1DI** sends an article written by his friend Sam **WB5ZJN** which was printed in his local Traffic Call newsletter. I thought it was great and worth printing for you to read:

"I have heard it bemoaned many times that CW is dead. T which I say, "Bovine fecal matter!" CW will "live" as long as operators receive psychological pleasure from working with code. "Psychological pleasure? Please, Sam, don't try to dump that existential stuff on me." Yes, my friends, that is exactly what I'm going to do , so read on, McDuff! About the only positive thing we an say for code (and I think this is significant) is that it takes up very little bandwidth and that the "CW signal can get through when no others can."

Why do we really enjoy code? Although I cannot speak for everyone, I'd like to share some of my reasons with you. I enjoy CW for the same reasons that a person will go out and hunt with a bow and arrow rather than a rifle; for the same reason a person will get "in sync" with nature and said rather than ride in a motor-powered boat; for the same reason a person would rather carve with a knife than a power tool; for the same reason a person would rather ride a bicycle than in a car; for the same reason that a person would rather grow vegetables than buy them at the supermarket; for the same reason a person would rather sing a song rather than listen to a CD. It is interesting

that almost all of these activities require greater skill, are more difficult, more inconvenient, and less efficient than their counterparts. A gun is much more efficient for hunting; a motor-powered boat will always get you places faster; a powered carving tool is much faster and requires less effort; a car is much faster, and you don't get wet when it rains; and buying vegetables in the market is certainly more convenient; and I don't know about you, but I've never been able to sing as well as the voices I hear on recordings. There are, of course, pluses and minuses to all of the activities, and there may be times that we prefer one over the other, but this does not discount the value or superiority of either.

For me, good CW is like listening to a well disciplined orchestra "sing" its symphonies. Good code "sings" to me. It has rhythm, melody, form, style, and texture (some of the basic elements of music) and these elements bind and draw me to it. Yes there is an aesthetic pleasure which I get from listening to CW and I believe there is an existential reason why we enjoy CW. Code does have its merits, just as riding a bicycle is good for the hearth, or homegrown vegetables are better for you. We enjoy CW because our association with it brings us pleasure, and our ability to communicate in a dialect which is unique and exclusive, which some "outsiders" find mysterious, is part of code's attraction.

Is CW dying out? Absolutely not! It will live as long as people love the bow and arrow; as long as people love sailing; as long as people love singing; as long as people love crafting the with their hands; as long as people remain human."

Thanks for sharing this with us Dave and Sam!

FISTS MUGS

Mike **N3HLM** uses his FISTS coffee mug at work, and gets asked frequently "What's FISTS CW" means. At first he tells them it is a martial arts order and CW means Chung-Woo. Then he explains what it REALLY means. He says they seem to like the Bruce Lee FISTS of Fury explanation better, hi! Cute, Mike! And the photo is nice too, hi.

Virginia Slow Net

Pat **N0RDQ** would like to mention that the VA Slow Net (VSN) is looking for students and instructors. The net is a CW Net operating to teach traffic handling and to help operators increase their code speed. The net operates every night at 8:30 local time on 3680. They run at 8 WPM on the net frequency.

The course consists of 4 parts, Basic, Advanced, Liaison and NCS. The messages you take comprise a HOT TO booklet on Nets. After this course you will feel comfortable acting in any capacity you desire.

If you would like more info, you can reach Pat in several ways. By phone at home (804) 779-3351, at work (804)560-3828, on his BBS at (804) 779-0055

up to 28.8 baud) or he monitors the 430 and 88 repeaters while traveling. His internet address is [N\)RDQ@pplace.com](mailto:N)RDQ@pplace.com). Let him know if you would like an info package.

Listings of Nets

It seems like there are MANY slow speed, traffic nets mentioned each month, I can't keep them straight. I thought since I have trouble keeping track of them, and I write the newsletter, perhaps you are having trouble also! Soooo what I would like to do is compile a list of them that I can print each month, or put on a calendar, space permitting. If you've sent me the info on your net before, please do it again, to both confirm that the net is still in operation, and make sure I have the information.

Slow Traffic Net Report

Well, it seems like many moons have come and gone since I last wrote this column. I'm not sure where the time goes, but it doesn't hang around waiting for me! I am going to concentrate on the FISTS Slow Net in these columns from now on, since that's the main traffic outlet for FISTS as an organization. For those of you who have been wondering, but not listening in, the FISTS Slow Net is active and going along quite well, thank you! We're not challenging the section nets yet, and we are pretty slow, but we're on 3682 kHz every Tuesday and Thursday nights at 2100 Eastern time (OK, say Wednesday and Friday mornings at 0100 UTC if it makes you feel better!!). We have been averaging about 3 or 4 check ins each session, and we have been passing traffic — not only to those who check in, but some regular check ins pass traffic to addresses all around the country. I have listed below the amount of traffic passed and numbers of QNIs (check ins) for the three months from mid-March to mid-June. It is particularly gratifying to see that some regulars are passing traffic with regularity and doing it in pretty fine form (no one's perfect, you know, and we do make mistakes, but when that happens, the NCS — especially if its me! — tries to show the correct way of doing it, and we're doing pretty well at sending the traffic we do send).

One problem we have to deal with is conditions. They seem to make it tough for all of us. I'm certain that there are many FISTS who have tried to QNI, but who just haven't been heard. To those, I say, I'm sorry, but conditions make it very tough to copy some stations most evenings we're on. We have had check ins all across the eastern half of the country, from Maine (**N1HYF**) to Kansas (**AA0IQ**), and from Wisconsin (**N9JIY**) to Florida (**KD4OGV**). Unfortunately, we do not get into the far west very well, and it would be great to have a FISTS net for you folks out west of the Mississippi. If you're into traffic handling and would like to start a western version of FSN, drop me a line

and I'll give you my ideas on starting such a net. Anyone, of course, can do so, it just takes a bit of commitment and some publicity in the Keynote. To those of you out there who do try to copy my signal through QRN and other noise, I say, thanks for trying, and keep it up. Shirley, **N1HYF**, I promise you that we will have a clean and complete contact on the net one of these nights, and I really do appreciate your efforts at checking in.

If you're worried about messing up while checking into the net, DON'T! Most of those who do QNI don't do it exactly right, but they are learning. Jack, the Horseheads traffic hound, **WB2FXK**, swears he will never QNI a section net, but he is sending messages all around the country, and doing it well too. And, Dale the Hunker (PA) hound is also coming along well. For those of you who check in and who obviously need some help, I will be sending you a card published by the ARRL which will give you a considerable amount of help in handling traffic. The card has the important QN and other Q signals on it, the format of a message, abbreviations used, and various other traffic handling aids. If you haven't received yours within the next two weeks or so, and feel you really do need it, let me know and I will either send you one or tell you where to get one (write to the ARRL, HI!).

For those of you who have wanted to check into a net, but who have been a bit nervous about the prospect, try FSN. I promise you that you will be made to feel welcome, and that you will, if you try, learn to get started in handling traffic with CW. Finally, before I give you the statistics, I'd like to thank Mike **N9JIY** and John **WB9CIS** for taking the net while I'm not there. I usually am Net Control, but once I get myself organized enough to put out a roster of Net Control Stations, both John and Mike will be taking their regular turn at Net Control, and you'll hear less of me and more of them. Both are experienced traffic people, and do a great job.

OK, here are statistics from the net for the period March 15 through June 15, 1995. To those who checked in before March 15, I apologize that your call is not listed, but as I am writing this on my internet connection at work, I do not have the information for the period prior to March 15 with me.

Stations that have checked into FSN (15 Mar - 15 June):

N1ITW - Floyd VT,	N1HYF -Shirley ME,
N1KLP - Steve NH;	WB2EAG -Mark NC,
WB2FXK — Jack NY,	WA2OVT — Bob NY;
N3MEE — Dale PA	KM4DY — Tom GA,
AD4EP — George VA,	KI4I/m — Jim MS,
KN4OA — Charles TN	KD4OGV — Chas FL;
N8FU — John OH,	K8LQM — Vince OH,
N8NLE — Jim OH,	K8OUA — Pete OH;
WB9CIS — John IL, N9JIY — Mike WI,	

PAGE 1 ()

WG9K/m — John MI, **KF9OE** — Don IN,
ND9X — Frank IL; **AA0IQ** — Claude KS.
I know I've missed some. I think **N2NNH** checked in once, but I don't have it on my list. If I've missed you please let me know in anyway possible, so that I can get my list up to date, and while you're doing that, please pardon my mistake.

Traffic count — period Mar 15 - June 15, 1995:

QNI (Check ins) — 95 QTC (Traffic) — 34 Sessions — 26

Most regular QNI — **WB2FXK** (14); **N9JIY** (9); **WB9CIS** (8); **N3MEE** and **N1KLP** (7); **ND9X** (5).

There you have it! The first ever FISTS Slow Net report. I will be trying to give you a similar report each month from now on. A hearty thank you to all of you who have given FSN a try, and an even heartier thanks to those of you who QNI regularly. If you check in I will give you a couple of free check ins before I send you a message. Eventually, though, I will ask you if you are ready for a message, and then I'll send you one. I look forward to having you on the net. If you want to get in touch with me use any of the following methods — send me a message over the NTS to Pete Kozup **K8OUA**, 5115 N. Park Ave, Warren OH 44481 (or use snail mail to the same address); send me a message over the internet to pkozup@kentvm.kent.edu ; send me a message over compuserve to 76022,2303 ; send me a packet message to k8oua@kb8ast.#neoh.oh.usa.na ;phone me on (216) 847-0975. Whichever way you want to contact me, I'll look forward to hearing from you. Till then, 73 es ARF, Pete **K8OUA**.

FINAL

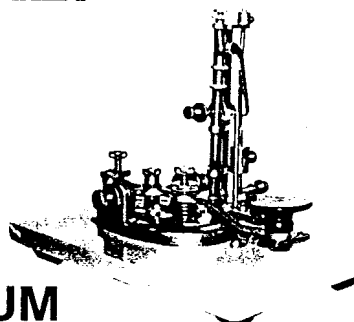
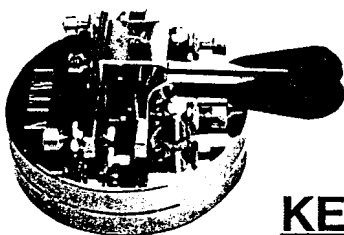
I guess that will have to do for June, I've got more to share with you, but want to get this to the printer so I can have it back by Friday. I'm going to be sneaky by bringing all the pages and envelopes to Field Day in hopes of getting some assistance folding and stuffing the newsletter. I mean, you gotta do SOMETHING besides sit around and drink beer and watch some other guy pound the brass! HI. So, as you are reading this, we are getting ready for Field Day. **N6MLW** is bringing out his G5RV, TenTec rig, and tuner along with a couple Coleman lanterns, Randy **KG8HB** volunteered 100 feet of new coax, I'm bringing the battery (we're going battery again this year) and my world famous Field Day chili and a screen room tent - Fred **N8ABR** is letting us use his camper again. By the way **KB8HB** is now **AA8TU**, congrats on the upgrade Randy. Brian **N8IAG** broke a rib a couple days ago while working on his car, so he won't be doing any antenna climbing this FD! But he volunteered his climbing belt to anyone who feels brave, hi! And Fred **N8ABR** is recuperating from an emergency appendectomy! Feel better guys!.....How was YOUR Field Day??

73/88 Nancy WZ8C

FISTS CW CLUB NEWSLETTER

June 1995

K4TWJ'S NEW "KEYS II" BOOK IS NOW AVAILABLE!



KEYS II: THE EMPORIUM

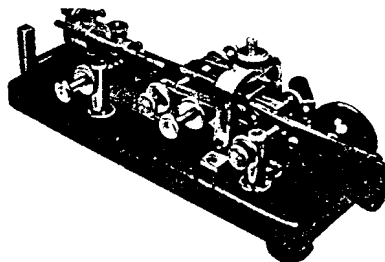
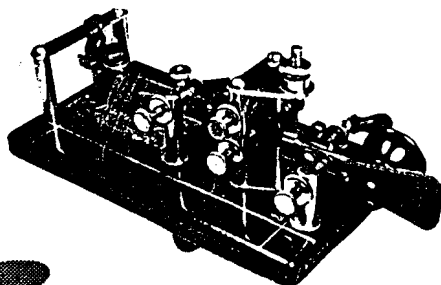
If you like CW and keys, you will love *"KEYS II: THE EMPORIUM."* This totally new book contains a blow-out collection of photos and descriptions of keys like few have ever seen -- old and brand new!

Reading *"KEYS II: THE EMPORIUM"* is like visiting a museum, private collector's exchange and new products showroom all in one. The world's most famous, exotic, rare and glamorous keys are displayed for the first time. Author K4TWJ explains each item in detail, and adds notes on dates, values, etc. as you go.

A peek preview of topics: rare Camelbacks, all Vibroplexes from 1902 to new 1995 models, QRP keys, vertical bugs, new paddles of all types! Additional items: Morse' first key, a wind-up bug, a motorized bug, a 3-lever bug, bug adapter for a hand key, cricket paddle plus more! Want a featured item? **The Emporium** probably has it or can get it for you (dreams to reality)!

KEYS II: THE EMPORIUM is self-published by Dave Ingram, K4TWJ, 4941 Scenic View Drive, Birmingham, Alabama 35210, U.S.A. and available from select dealers nationwide.

And, if a club member includes their FISTS club number with their order (\$15.00 each). we will include **free shipping and handling** (book rate -- not priority).



FISTS C.W. CLUB

MEMBERSHIP APPLICATION FORM

Call Name on air

Full Name and Address

.....

"ZIP + 4" PSE !

The following information would help provide a synopsis of members' working conditions

Current rig(s) Other interests

.....

.....

Antennas

.....

Other Affiliations (RSGB etc)

.....

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Birthdate

Are you visually handicapped ?

Please enclose annual subs \$ 15⁰⁰ (U.S. funds)

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Signature

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Please make checks payable to FISTS C.W. CLUB

The rate for your country due to the cost of air-mail is sterling. I appreciate the cost of Banker drafts etc. and it is with this in mind that WZ8C is nominated as banker for the convenience of VE, US and other members on the American continent. Your subs when due may also be paid via this source.

Fists CW Club Membership List - JUN 1995

2E0AGQ.....	BRIAN	0990	DL1GJN.....	JEURG	0948	G0FGW.....	RON	0433	G0IZW.....	DEREK	1302	G0MWU.....	BRIAN	0701
2E0AIR.....	TONY	0872	DL1ZQ.....	HANS	0313	G0FIP.....	ELLA	0215	G0JBP.....	ROBIN	0205	G0MYZ.....	MARIAN	0636
2W0ACD.....	PHIL	1187	DL3ARX.....	HEL	1361	G0FOD.....	NEV	0308	G0JBQ.....	SIMON	0204	G0NDT.....	PAUL	0653
3B8CF.....	JACKIE	0951	DL3BZZ.....	LUTZ	1640	G0FPS.....	RAY	0004	G0JFD.....	GRAHAM	0477	G0NEB.....	JOHN	0755
AA0HQ.....	TOM	1548	DL3KDT.....	KLAUS	1636	G0FPV.....	IAN	0946	G0JIT.....	DICK	1136	G0NKO.....	KEN	0882
AA0IG.....	HERB	1297	DL3OBT.....	GEORG	1145	G0FRL.....	BOB	0390	G0JJQ.....	WAYNE	0851	G0NNJ.....	SID	1306
AA0IQ.....	CLAUDE	1590	DL6UDX.....	WOLF	1181	G0FUS.....	PAUL	0110	G0JLQ.....	CHAS	0622	G0NNO.....	JOHN	0478
AA0NR.....	RICK	1704	DL7ATL.....	MANFRED	0418	G0FVS.....	JIM	0628	G0JNR.....	SHANE	1396	G0NOB.....	LIONEL	0785
AA1HJ.....	DAVE	1569	DL7DO.....	RALF	1611	G0FWC.....	DERRICK	1355	G0JON.....	JOHN	0774	G0NSU.....	GEORGE	1606
AA1HO.....	ART	1283	DL8ABH.....	WOLF	1364	G0GFG.....	MARK	0113	G0JRN.....	ART	0295	G0NUP.....	KEVIN	0796
AA1HV.....	ZOEL	1291	DL8FCO.....	WERNER	1183	G0GGE.....	PETER	0700	G0JRT.....	TOM	0745	G0NVP.....	PENNY	0704
AA1JA.....	YUZURU	1543	DL8KAZ.....	DIETER	0593	G0GGU.....	STEVE	0491	G0JWB.....	BILL	0385	G0NXY.....	PETER	1316
AA1KF.....	JOE	1734	E0CZ.....	BREN	0632	G0GJB.....	JOHN	0239	G0JXS.....	CLARRY	0506	G0NYZ.....	PAUL	0799
AA2KS.....	RICHARD	1440	E12FB.....	LIAM	1197	G0GKE.....	LES	0197	G0JZU.....	ROSS	0679	G0NZL.....	JOHN	0773
AA2LK.....	BRIAN	1042	E15FY.....	BILL	0846	G0GKH.....	DAVE	0034	G0KCA.....	JOHN	0200	G0OBU.....	KEITH	1615
AA3AV.....	GENE	1220	E15HJ.....	GERRY	1079	G0GOD.....	JOHN	1604	G0KCH.....	ALAN	0602	G0OKZ.....	JOHN	0780
AA3CH.....	RUSS	1280	E16HS.....	PAUL	1313	G0GPM.....	JOHN	0412	G0KHI.....	BILL	0706	G0ONS.....	JIM	0741
AA3DU.....	MIKE	1400	EW6CW.....	VAL	1338	G0GSQ.....	GEO	0266	G0KHY.....	JOHN	0487	G0OOD.....	TIM	1350
AA3EQ.....	LEN	1043	F5JUD.....	AL	0697	G0GSW.....	VICTOR	0042	G0KLS.....	RON	1336	G0OPG.....	CHRIS	0937
AA3JQ.....	STEPHEN	1545	F5LAW.....	YANN	0752	G0GTN.....	JOHN	0638	G0KMU.....	JOAN	0786	G0ORD.....	ERIC	0963
AA3JV.....	CRAIG	1573	F6CZC.....	LEONCE	1371	G0GVC.....	PETER	1096	G0KNJ.....	BOB	0463	G0ORS.....	CHARLES	0852
AA5PN.....	STAN	1459	F6FEQ.....	RENE	1670	G0GWD.....	ALAN	0817	G0KPT.....	TONY	0512	G0OSR.....	OLIVER	1178
AA6WC.....	JOE	1532	F8HEW.....	JOHN	0297	G0GYY.....	PETER	1601	G0KYC.....	ALAN	0513	G0OUI.....	BILL	0988
AA7JM.....	VAREL	1044	G0AEC.....	ESDE	0878	G0GZK.....	LAURIE	0554	G0KYO.....	JOHN	0707	G0OVZ.....	SHAUN	1368
AA8FQ.....	FRED	1495	G0AHJ.....	DEREK	0117	G0HAU.....	TED	0277	G0KZA.....	ERNIE	0738	G0OWS.....	JIM	0822
AA8HV.....	JOE	1016	G0AIV.....	ALF	0403	G0HDE.....	CHAS	0845	G0LHZ.....	JIM	1155	G0PDM.....	MIKE	1343
AA8MI.....	GENE	0914	G0ALH.....	STAN	1671	G0HDI.....	BRIAN	0620	G0LIU.....	GEORGE	0816	G0PEH.....	TONY	1657
AA8NQ.....	KEN	0927	G0AOL.....	GILL	0780	G0HFI.....	GORDON	0609	G0LJB.....	PAUL	0493	G0POJ.....	JUDY	0883
AA9DK.....	GREGORY	1578	G0AXE.....	MIKE	0361	G0HGA.....	ANGIE	0041	G0LOE.....	STUART	0625	G0PPI.....	DEREK	1639
AA9MT.....	JON	1597	G0BGI.....	STAN	0736	G0HGG.....	GORDON	0930	G0LPF.....	RICHARD	0960	G0PRD.....	CYRIL	1676
AB5TY.....	MACALEE	1563	G0BNS.....	DICK	0532	G0HHL.....	PHIL	0429	G0LQX.....	TREVOR	0425	G0PTB.....	PETE	1179
AB6JN.....	WAYNE	1723	G0BQV.....	MARY	0040	G0HIN.....	TOM	0669	G0LRE.....	LARRY	0750	G0PWZ.....	BRIAN	1072
AB6YP.....	VERN	1731	G0BUR.....	ROY	0523	G0HIS.....	DAVE	1071	G0LSH.....	ALAN	0508	G0PXi.....	PHIL	0979
AC4FN.....	DAVE	1021	G0BXV.....	DAVE	0261	G0HUX.....	PETER	0819	G0LSY.....	JOHN	0196	G0RCE.....	KEITH	1054
AC4VL.....	GREG	1029	G0BYG.....	JIM	0089	G0HLG.....	GORDON	0488	G0LUY.....	GRAHAM	1360	G0REA.....	ROMA	0895
AC4WH.....	BILL	1729	G0CEK.....	FRED	0334	G0HRL.....	GERALD	0975	G0LWA.....	CHRIS	0537	G0RGO.....	MALCOLM	1164
AC4WI.....	LOUIS	1595	G0CGT.....	BRIAN	0702	G0HTX.....	TONY	0139	G0LWI.....	FRANK	0901	G0RGV.....	RICHARD	0981
AC4ZH.....	DUANE	1709	G0CIJ.....	MIKE	0663	G0HYT.....	PATRICK	0220	G0LYY.....	JOHN	0696	G0RIJ.....	BRIAN	1193
AC6IA.....	GREG	1568	G0CVH.....	VINCE	0048	G0IAL.....	ROD	0348	G0LZA.....	DES	0833	G0RKT.....	DAVID	1066
AC8W.....	STAN	1454	G0DAF.....	JIM	0795	G0IFM.....	COLIN	0728	G0LZL.....	DAVID	0587	G0RLW.....	ALAN	0902
AD4KX.....	HARRY	1559	G0DBU.....	ERIC	1310	G0IFT.....	PETER	0471	G0MCV.....	BOB	0555	G0ROT.....	MIKE	1056
AD4PT.....	DON	1514	G0DCM.....	ARTHUR	0288	G0IGP.....	TONY	0129	G0MEG.....	MEGAN	0518	G0RSN.....	RICHARD	0869
AD4VL.....	JIM	1541	G0DDI.....	PHIL	0631	G0IJE.....	DON	0509	G0MGD.....	DENNIS	0630	G0RSU.....	GEOFF	1150
AD5SB.....	BOB	1539	G0DEB.....	DAVE	0380	G0ILN.....	RICHARD	0398	G0MHE.....	BRUCE	1677	G0RVO.....	DAVID	1102
AH8C.....	JOHN	1259	G0DJA.....	DAVE	1372	G0IMF.....	ALF	0427	G0MJV.....	ALBERT	1357	G0RWQ.....	NIGEL	1619
DF3GX.....	KLAUS	0600	G0DRT.....	PETER	0652	G0IOV.....	GORDON	1147	G0MLA.....	ERNIE	0606	G0SBH.....	TED	1655
DF4EO.....	DIDI	0737	G0DXB.....	BILL	0132	G0IRL.....	AUDREY	0510	G0MOU.....	DICK	0668	G0SDA.....	COLIN	1172
DF8OF.....	SIGI	0949	G0EBW.....	DAVID	0421	G0ISC.....	RENIE	0610	G0MRH.....	RON	1327	G0SEF.....	DAVE	1129
DH2UAI.....	ROLAND	1341	G0EEJ.....	ALICE	0710	G0ITS.....	ROY	0498	G0MRM.....	ERIC	0586	G0SFV.....	DAVE	1161
DJ2VT.....	GEORGE	1605	G0EJF.....	ALEX	1148	G0IYC.....	DENIS	0501	G0MTJ.....	JOHN	0873	G0SIC.....	CLIFF	1391
DK7QB.....	BERT	0362	G0ELH.....	BOB	1397	G0IYG.....	JIM	0839	G0MVG.....	HERBERT	0760	G0SIU.....	SAM	1185
DL0SGS.....	SCHOOL STN	0956	G0ELU.....	CHARLIE	0067	G0ZU.....	MIKE	0809						
DL1DRA.....	ACI	1077	G0EVD.....	DAVID	0550									

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Fists CW Club Membership List - JUN 1995

G0SKR	JOHN	1115	G1AWJ	JOHN	1195	G3RVJ	GEORGE	0428	G4IST	BILL	0991	G4UUV	PETER	0376
G0SNE	ANNE	1123	G1CUV	JOHN	1664	G3SJE	JOHN	0391	G4IXI	TREVOR	1141	G4VIJ	BILL	0807
G0SQF	JOE	1384	G1PPK	JOE	1375	G3TFK	LES	1641	G4IXL	BOB	0165	G4VMV	RAY	0402
G0SSG	REG	1169	G2AKK	BILL	0002	G3TTH	TEX	0995	G4JHZ	LES	1322	G4VOJ	ART	0007
G0STR	BILL	1609	G2DZF	JIM	0422	G3TUX	CHRIS	1307	G4JIZ	JESSE	0179	G4VVK	BERNARD	0838
G0SWT	LEN	1642	G2FFD	DAN	1149	G3TVI	ROD	0747	G4JMI	BRIAN	0091	G4VXJ	LEN	0292
G0SWU	PETE	1389	G2HKU	TED	0841	G3VDL	BERNARD	1617	G4JRE	JOHN	0577	G4VXY	DAVID	1099
G0SXG	KEITH	1138	G3AHS	DAWSON	0265	G3VNG	JOHN	0549	G4KEW	BOB	0275	G4WBN	TREV	0381
G0SZE	CHRISTINE	1301	G3AVL	BOB	0931	G3VNG	DAVE	1097	G4KJW	JOHN	1630	G4WCE	PETER	0660
G0TAW	IAN	1300	G3BRR	JIM	1063	G3VQO	LES	0874	G4KLF	JOHN	1198	G4WKG	ROB	0079
G0TBB	BOB	1135	G3BSK	MAX	1666	G3VUN	GLORIA	1620	G4KXG	KEN	0938	G4WNA	TONY	0598
G0TBD	TERRY	1163	G3BYX	DES	0581	G3VGL	NOLLY	1633	G4LGA	DON	0642	G4WWQ	DAVE	1056
G0TCF	PETER	1340	G3CSC	SAM	0339	G3WII	FRED	0559	G4LJM	COLIN	0099	G4XHE	RICHARD	1365
G0TEB	CHRIS	1675	G3DAC	ALAN	0024	G3WNI	BILL	0413	G4LJU	JOHN	1625	G4XHZ	FRANK	0008
G0TEQ	SYD	1186	G3DOT	JOHN	0718	G3WPP	JACK	0310	G4LKT	PETER	0368	G4XJU	LAURIE	0153
G0TFV	TERY	1177	G3DOV	DEREK	0175	G3WWS	MIKE	0604	G4LSI	JOHN	0130	G4XOC	PETER	1645
G0TFG	JIM	1621	G3DUH	CURLY	1156	G3WWT	JOHN	1114	G4MLW	IAN	0357	G4XPE	MIKE	0100
G0TGU	BILL	1329	G3ECS	KEN	1335	G3XMM	TOM	1395	G4MSR	JEFF	0357	G4XUZ	RAY	0777
G0THA	PETE	1174	G3FPY	ERIC	1331	G3YLL	RON	0282	G4MZS	TOM	0150	G4XVE	JOHN	0342
G0THV	JOHN	1374	G3FTU	ROY	0502	G3YLT	TOM	0489	G4NIR	DOUG	1121	G4XWV	MAT	1660
G0THX	VIC	1634	G3GPZ	PETE	0613	G3YXJ	DANNY	1305	G4NXN	TERRY	1104	G4YEP	TED	0020
G0TIP	GEORGE	0940	G3GXQ	WALTER	1199	G3ZDD	MIKE	1312	G4NZU	RON	0309	G4YJB	RON	0601
G0TKT	PETER	1126	G3HBN	JIMMY	1663	G3ZQS	GEO	0001	G4OEC	MAC	0578	G4YLB	JIM	0073
G0TMZ	NORMAN	1653	G3HEL	JACK	0410	G3ZRS	IAN	0781	G4OHX	SAM	0455	G4YNU	JOHN	0073
G0TNY	TONY	1669	G3HZL	DON	0997	G3ZRW	FRASER	0044	G4OJW	ALI	1124	G4YRS	GERRY	1326
G0TQT	JOHN	1381	G3INA	RON	0097	G4BJM	ALAN	1637	G4OOS	JOHN	0812	G4YVW	DAVE	1600
G0TRO	NESS	1323	G3ING	JOHN	1674	G4BLI	BARIE	1378	G4OSB	TOM	0579	G4ZFT	MARY	1162
G0TUE	RAYMOND	1191	G3IRM	PETER	1092	G4BWJ	TONY	1626	G4OTN	COLIN	0028	G4ZIB	TONY	0811
G0TUJ	WALT	1139	G3IVF	SMUDGE	1614	G4CMY	GEOFF	1644	G4PDQ	JOHN	1159	G4ZVL	HENRY	0538
G0TWN	DAVID	1334	G3JBA	JIM	0183	G4CPA	DAVE	0075	G4PPG	JIM	1189	G4ZZX	JOHN	1646
G0TZV	GORDON	1392	G3JPZ	IAN	1347	G4DAL	DAVE	0075	G4PPK	CLIVE	0244	G5LW	ALEC	0682
G0TZW	JOHN	1332	G3JTO	ERIC	0766	G4DHz	PETE	0980	G4PPV	GRAHAM	0134	G5WW	PAUL	1345
G0UJC	BARRY	1344	G3JUJ	DEREK	1376	G4DNC	BILL	0058	G4PQG	RALPH	0634	G6KV	RON	0871
G0UQC	PHIL	1319	G3JUT	TED	1603	G4DYG	GEOFF	0071	G4PSE	MIKE	0837	G6KGU	DAVID	1351
G0UEE	PETER	1358	G3KMG	DAVE	0124	G4EBK	PETE	1182	G4PSI	GEORGE	0032	G6VVS	GEORGE	0267
G0UFF	ROY	1382	G3KQN	JACK	0699	G4EEM	BOB	0724	G4PSL	TERRY	1062	G7KZW	STUART	1627
G0UFT	KEV	1650	G3KTT	ALAN	1308	G4EIB	JIM	0372	G4PTE	KEN	0723	G7LIE	BRIAN	1370
G0UGZ	LEN	1353	G3KWO	KEN	0006	G4ETJ	REG	1394	G4RBE	JACK	0174	G7OCV	MARTIN	1648
G0UIV	DAVE	1373	G3LPS	ERIC	1398	G4FAI	TONY	0029	G4RDM	PETER	0186	G7PMH	RON	1624
G0UXX	RAY	1618	G3LRB	STEVE	1171	G4FJC	RICHARD	0988	G4RFS	STAN	0229	G7RTI	KLAUS	1325
G0ULB	DON	1649	G3LRP	PETER	1672	G4FMH	BILL	0996	G4RHP	LEN	1362	G8IB	DUG	0882
G0UMN	JOHN	1678	G3LUZ	FRED	0444	G4GBG	PAUL	0936	G4RQA	TOM	0036	G8MZV	PAULINE	1160
G0UOM	NORMAN	1369	G3LYU	DERRICK	1608	G4GBX	WANDA	0514	G4RWP	EDI	0286	G8NT	DICK	0426
G0UPU	ROGER	1643	G3MAM	DAVID	0497	G4GBC	RON	0894	G4RQO	GORDON	0030	G8VLT	IAN	0890
G0UQF	GRANT	1383	G3MCK	GERALD	0230	G4GFC	SID	1667	G4SOP	HAROLD	0767	G8VCM	WALTER	0870
G0URM	PETER	1632	G3MLD	KEN	1091	G4GJY	JACK	1100	G4SPK	ROBERT	1623	G8VFN	ART	0127
G0UTL	ALAN	1393	G3MWF	RAY	1151	G4GOI	JOHN	0467	G4SSH	ROY	0999	G8VTO	KEITH	0898
G0UTR	DAVID	1629	G3NCL	RON	0168	G4GUA	JOHN	0857	G4TCJ	DOUG	1346	G8VBY	SCOTTY	1184
G0UXK	PAT	1622	G3NYA	DAVE	1061	G4GUW	GORDON	1352	G4TKX	ARTHUR	1668	G8VPCU	DAVID	0831
G0UYK	JOSEPH	1324	G3PEN	DAVE	1303	G4GYD	MIKE	1192	G4UEW	DAVE	0584	G8VPUZ	IRENE	1656
G0UZI	PHIL	1638	G3PKX	DON	0257	G4HSC	HARRY	1140	G4UHM	STEVE	0304	G8VSSA	KEITH	1304
G0VEB	BROOK	0952	G3PPD	STUART	0977	G4IAV	BOB	0084	G4UKZ	RAY	0148	G8VSTS	RONNIE	1661
G0VJK	MIKE	1647	G3RCO	CHARLES	1168	G4INM	TOM	0084	G4ULT	LES	0675	G8VUSC	JOHN	1387
			G3RGE	KEN	1662	G4IRM	DEREK	0123	G4USW	BILL	0405	G8VGV	ANDY	1654

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Fists CW Club Membership List

G3HCP	DES	1311
G3HNM	CLIFF	1379
G3MMF	BILL	1613
G3NQH	JOE	0945
G3VYV	BRIAN	0900
G3XHL	NOEL	1354
G4BBE	REG	1188
G4CBG	ROY	0161
G4CRQ	KEN	1064
G4PCY	FRED	0156
G4SRQ	GEORGE	0662
G4XFS	LYN	0464
G6NIH	EDDIE	1612
G6BUH	ALEX	0076
G60JI	DANNY	0312
G6ERV	SHIRLEY	0107
G60LP	IAN	0535
G60GJ	JEFF	1356
G60MG	BILL	0484
G60LR	PIP	0942
G60LO	JOHN	0121
G60PX	PETER	1057
G60NT	ALLAN	1610
G60VT	BILL	1665
G60VY	JON	1631
G63CF	JIM	0356
G63DK	JIM	0639
G63GG	GEORGE	1154
G63HN	TONY	0122
G63HT	JIM	1628
G63GM	BILL	0564
G63OA	DOUG	0562
G64BA	GERRY	0683
G64HY	GEORGE	0243
G64SS	STEVE	0251
G64ZT	JOHN	0695
G67GD	RILEY	0847
GSWL1	DAVID	1367
GSWL3	DAVID	0939
GU6UP	PHIL	1635
GU4WQ	DICK	1380
GW6BJ	HOWARD	0689
GW6DX	RON	0740
GW6ED	BRIAN	0151
GW6QC	BRIAN	0671
GW6HC	PAUL	0528
GW6HCN	TERRY	1058
GW6HYC	BEN	0485
GW6IRP	COLIN	0690
GW6NLB	SAM	0983
GW6ONU	DENNIS	0591
GW6PJX	CHRIS	0950
GW6PNC	HARRY	1106
GW6PNI	DAVE	1053

GW0PRX	HAROLD	0965
GW0PZS	TREFOR	0976
GW0SFO	KAY	1105
GW0SGG	BILL	1602
GW0SXE	JOHN	1101
GW0SZX	JIM	1339
GW0URS	FRED	1328
GW1VAW	BRIAN	0420
GW3JEZ	BOB	0364
GW3LHK	GWYN	1125
GW3PRL	MARTIN	1315
GW3SB	CHAS	0345
GW3ZNN	WALLY	0964
GW4GCB	PETER	0657
GW4IQA	REG	1116
GW4KFD	BARRIE	1616
GW4KUS	BERT	0856
GW4PXQ	GEORGE	0160
GW4XQH	JOHN	0576
GX0000	VARIOUS	1000
HAZMP	JANOS	0899
HA5BR	PISTA	1059
HE9VIZ	NICOLA	1659
I2FGT	JUL	1051
I7PXV	VIN	1342
IK0NKI	LUIGI	1052
IK2ERA	ILARIO	0929
IK2HSW	HENRY	1388
IK2RMZ	MARTIN	0853
IK7JPJ	WALTER	1349
IN3NJB	BOB	1317
JA7UHM	MASA	0018
JP1BJR	HAL	0325
K1ARO	RICHARD	1580
K1UNQ	CARL	1218
K2SB	STEVE	1462
K2SWZ	BERNIE	0748
K2TD	TOM	1463
K2YWE	DAN	1726
K3ZG	ED	0922
K4AHM	LEARD	1550
K4DRD	STAN	1557
K4KUZ	MIKE	1247
K4QWM	SHERRILL	1701
K4RDU	BOB	1264
K4TWJ	DAVE	1435
K4TXJ	JIM	1448
K5FO	CHUCK	1716
K5HT	GEORGE	1730
K5WTA	BILL	1594
K5XR	RON	1253
K6ZAN	RALPH	1529
K7AU	MURRAY	1432
K7CI	JOE	1738

K7WF	STU	1491
K8AN	RALPH	1484
K8BTH	WAYNE	1465
K8KFJ	GARIE	1732
K8LEN	PATRICK	1494
K8LJG	JOHN	1460
K8MPF	DAVE	1486
K8NA	TED	1415
K8OUA	PETE	1254
K9QVB	JOHN	1047
K9VKY	BRIAN	1212
K9ZCH	LARRY	1474
KAEBP	ED	1232
KAEQT	JIM	1241
KATZR	RICHARD	1429
KAIZV	WES	1509
KAZGV	BRUCE	1017
KAZOF	BARRY	1528
KA3WMJ	KEN	1524
KA4FF	ESTHER	0011
KASTUF	BILL	1430
KASZ	RICHARD	1702
KABMX	TRISH	1453
KABOQ	CHARLIE	1478
KAMIV	BRENT	1507
KASRP	PAUL	1485
KB0LF	ROSCOE	1555
KBQVB	RICHARD	1584
KBOZE	AUBREY	1289
KBTAUM	SHEILA	1599
KB1AXF	BILL	1522
KB1FK	AL	0916
KB2BY	STAN	1598
KBZLK	GEORGE	1538
KB5HR	PETE	1206
KB5SF	BILL	1204
KB5WKX	ED	1499
KB7PDN	BOB	1266
KB7RWD	BRIAN	1575
KB7SVA	DAVE	1549
KB7UFS	GEORGE	1457
KB7WJ	JAMES	1567
KB8KEJ	CHER	1511
KB8NTE	BILL	1753
KB8OHF	TIM	1523
KB8OOM	SAM	1582
KB8ROG	CHARLES	1713
KB8SXB	MIKE	1546
KB8TUO	JIM	1705
KB9GNP	PHIL	1724
KB9HSH	JIM	1270
KC1DI	DAVE	1210
KC1M1	JOHN	1491
KC4JGJ	LYNDAEL	1708

KC4NZB	CARL	1274
KC4OCS	DON	1224
KC4SPB	HOWARD	
KC4UUG	DON	0910
KC5ASD	JOHN	1505
KC5DSN	JOHN	1275
KC5DUI	BOB	1534
KC5GXL	DAN	1572
KC5HXP	RON	1562
KC5JEG	ERIC	1441
KC7DQV	CHARLIE	1547
KC7FII	STEVE	1530
KC7IG	ART	1745
KC9DT	HERB	1744
KD1TQG	BRUCE	1227
KD4D	MARK	1519
KD4DDI	PAUL	1512
KD4FLO	JOHN	1506
KD4FUE	BOB	1267
KD4ICT	DAVID	1447
KD4OGV	CHARLES	1587
KD4OYA	ROGER	1403
KD6CVP	ROBERT	1048
KD6GFH	JOHN	1045
KE2NT	MIKE	1031
KE3NV	SCOTT	1502
KE4AGT	JIM	1581
KE4HZM	RICHARD	1554
KE8M	HOWARD	1456
KE8UM	MURRAY	1518
KF2DD	BILL	1409
KF2ON	WILLIAM	1570
KF2QY	CHEM	1278
KF5BN	GORDON	1503
KF7AY	WARREN	1475
KF8RG	KEN	1556
KF8SY	ED	1720
KF8UE	AL	1742
KF8YM	GENE	1223
KF9OE	DON	1406
KF9RK	TONY	1424
KG9KR	ELIZABETH	1592
KG8DAVE	GEORGE	1473
KG8HB	RANDY	1718
KI5EL	FRED	1229
KJ6GR	BILL	1252
KJ7HQ	ORIN	1552
KJ8M	ROD	1464
KK4HW	JULIUS	1426
KK6OQ	JOHN	1408
KK6WD	JIM	0751
KN4BR	RON	1593
KN4GG	ALEX	1238
KN4OA	CHARLES	1531

KP2O	.....	KLAUS	.....	1443
KP4DJ	.....	WILLIAM	.....	1576
KP4FWW	.....	SERGIO	.....	1727
KQ4CQ	.....	BILL	.....	1010
KQ4Y	.....	RAY	.....	1561
KV7PDN	.....	BOB	.....	1261
KW8U	.....	BOB	.....	1446
KY2R	.....	DAVE	.....	1250
LA1IE	.....	OTTO	.....	0289
LA6ZH	.....	RUTH	.....	1314
LY3BA	.....	GEDAS	.....	0984
LZ1AF	.....	DMITER	.....	0416
LZ1JZ	.....	TONY	.....	1318
N0DLJ	.....	DAVE	.....	1419
N0HFF	.....	BILL	.....	1239
N0PDR	.....	MARILYN	.....	1438
N0RDO	.....	PAT	.....	0923
N0XNF	.....	CHARLIE	.....	1482
N0YEE	.....	ELLIS	.....	1444
N0ZDT	.....	COURTNEY	.....	1437
N1DNM	.....	GEORGE	.....	1445
N1DWA	.....	CLIFF	.....	1498
N1FPG	.....	STEVE	.....	1217
N1HYF	.....	SHIRLEY	.....	1294
N1BL	.....	CAL	.....	1234
N11JR	.....	ROGER	.....	1037
N11TW	.....	DICK	.....	1492
N11UD	.....	RON	.....	1468
N1KHM	.....	KENNY	.....	1288
N1KLP	.....	STEVE	.....	1450
N1MFR	.....	GARY	.....	1299
N1MHC	.....	AL	.....	1272
N1NGM	.....	NORM	.....	1273
N1QLF	.....	MARGIE	.....	1533
N1QWI	.....	FRED	.....	1536
N1RAY	.....	CHARLES	.....	1591
N1SEZ	.....	PAUL	.....	1580
N2ALE	.....	ALAN	.....	1416
N2CG	.....	GEORGE	.....	1006
N2ELW	.....	HARRY	.....	1469
N2HCU	.....	MIKE	.....	1735
N2NTO	.....	BOB	.....	1004
N2QPI	.....	CLIFF	.....	1011
N2QPI	.....	DIANE	.....	1237
N2WCR	.....	JOHN	.....	1461
N2YKH	.....	BILL	.....	1577
N2YY	.....	JERRY	.....	1589
N3BTM	.....	JOHN	.....	1574
N3CUD	.....	ROBERTA	.....	1564
N3EYM	.....	BILL	.....	0655
N3HLM	.....	MIKE	.....	1480
N3JUR	.....	KARL	.....	1013
N3TF	.....	ALAN	.....	1038
N3LBC	.....	JOSEPH	.....	1558

Fists CW Club Membership List - JUN 1995

N3LKD	FRED	1020	NS2G	HELEN	0393	VE7AVC	VIC	1741	WA3CSF	JOE	1271
N3LKS	RALPH	1235	NS3E	ED	0909	VE7BLC	BRIAN	1285	WA3IW	RICHARD	1719
N3MEE	DAKE	1425	NT1M	ART	1222	VE7DWA	DAVE	1488	WA3JPJ	JOHN	1298
N3NNH	ANDY	1428	NU6Q	PETER	1022	VE7ERA	OLIVE	0743	WA3WSJ	ED	1715
N3PM	JOE	1268	NU7M	DAN	1722	VE9AE	DARREN	1233	WA4OSR	MITCH	1467
N4JQ	BOB	1490	NV1X	BOB	1535	VK2SPS	STEVE	1399	WA5Y	RUSS	1721
N4VEF	DICK	1215	NW8X	RICH	1540	VK3WQ	MARLENE	1359	WA8BIJ	VINCE	0905
N4YGP	KAREN	1553	OE3ICS	IGOR	1293	VK7DQ	JERRY	0957	WA8KSS	RALPH	1417
N5WXE	TOM	1277	OE6WTD	DIETER	1068	VP2VI	BOB	1513	WA8MEM	DWANE	1466
N5ZYR	JOHN	1433	ON1CN	RIK	0967	VP5P	MIKE	1413	WA9S	CHARLES	1711
N6HCS	PAUL	1407	ON4ANE	BERT	0435	VP9NC	JEFF	1520	WB0JNR	ROGER	1501
N6MLW	DAVID	1263	ON5BX	ALFONS	1363	VY2RB	DICK	1410	WB1U	RAY	1421
N6OF	DAVE	1214	ON6RL	GUIDO	1080	W0UCE	JACK	1739	WB2EZG	VINCE	0315
N6QD	JOHN	1479	PA0HZH	HUUB	0558	W1BFT	CARL	1431	WB2FXK	JACK	0918
N7CFA	ED	1402	PA3AFF	PIET	0445	W1CFZ	RUSS	0294	WB2JKJ	OP	1422
N7HSD	ART	1269	PA3BHK	ROBERT	1377	W1QMK	RICHARD	1700	WB4MAI	DOUG	1246
N7OBP	GARY	1596	PA3EBA	JAN	0827	W2ESX	JOHN	1565	WB4VFN	RICHARD	1458
N8ABR	FRED	1470	PA3FEZ	MALCOLM	1175	W2FB	HOWARD	1024	WB4WNO	STEVE	1517
N8AYQ	JIM	1230	RB5FU	GENE	0792	W2HPQ	MIKE	1290	WB5KMX	RON	1504
N8DIX	STEVE	1710	RW3AA	SLAV	0824	W2WOE	CHUCK	1477	WB7PEI	BOB	1733
N8FU	JOHN	0920	S53EO	MIL	1098	W3HK	GEORGE	1279	WB8BHP	DAN	1276
N8IAG	BRIAN	1221	SM4TLB	PER	1673	W3OKN	MERLE	1281	WB8QZK	CRAIG	1510
N8JIM	MARGE	1231	SM5BDY	EVERT	1337	W3TI	ALLEN	1451	WB8SLU	BILL	1248
N8JW	DON	1515	SM7DRH	CLEM	0973	W3XX	THE SUB	1443	WB8WCU	DON	1551
N8KXY	MIKE	1046	SM7KJH	CHRIS	0017	W3ZIF	ROY	1583	WB8ZWW	WAYNE	1243
N8MHV	CONRAD	1295	SP6JOE	JOE	0764	W4AET	WAYNE	1401	WB9CIS	JOHN	0531
N8NLK	DAVE	1455	SP7AQR	STAN	1321	W4NZP	BILL	0911	WD8OCV	DON	1508
N8OHC	BILL	1737	SV2AJX	PACO	0771	W4NJK	CHARLES	0908	WE6V	JIM	0865
N8RXW	CHUCK	1434	TF3DX	VILLI	1658	W4TWP	RAY	1487	WG3U	JOHN	1500
N8SBN	FRANK	1496	UA0AMW	GEORGE	0836	W5TEH	LEE	1026	WI0Z	JOE	1707
N8TFR	IAN	1213	UA1AAH	ANDY	1165	W6CF	JIM	1414	WI9S	RICK	1033
N8UJZ	MIKE	1571	UA3AGW	DIMA	0729	W6DDB	BILL	1525	WI9X	JIM	1544
N8WDH	CHARLES	1258	UA3VRP	VICTOR	1110	W6OLD	DICK	1521	WJ3W	DOUG	1034
N8XKE	MARILYN	1427	UA4AQO	SERGE	1180	W7JAT	VERN	1002	WK1H	ARNIE	1027
N9BWG	DON	1015	UA4NAL	KIRIL	0842	W7JAW	JEAN	0917	WN3T	DICK	1296
N9DSP	MATT	1412	UA6JD	VLAD	1385	W8CYG	JOE	1471	WN8MWM	SCOTT	1537
N9JY	MIKE	1282	UA6JW	HARRY	0820	W8PBO	DOC	0915	WO8E	IRENE	0656
N9LGP	DAVE	1050	UB5FDM	JERRY	0832	W8LHG	RALPH	0794	WO8U	KEN	1404
N9MCQ	MARK	1579	UB5FJA	SAM	0618	W8LRY	DAVE	0719	WP4IIV	JOSE	1706
N9NTC	MIKE	1725	UB5RCH	VICTOR	0936	W8MVN	ERNEST	1527	WU0V	LEE	1436
N9NVV	LEE	1728	UU4JFJ	ALEX	0678	W8NOT	KEN	1476	WU6Q	LEE	0739
N9ROR	GREG	1717	VE2GOO	TONY	0864	W8YBS	ART	0886	WU9E	PHIL	1449
N9RVW	GREG	1228	VE2OBK	BOB	1481	W8ZNH	BILL	1023	WX4S	ED	1516
N9SW	GENE	1202	VE3FS	BILL	1240	W9CC	LARRY	1714	WX3L	MIKE	1256
NA8G	KEN	1225	VE3GSQ	GAIL	1411	W9LOH	PADDY	1740	WX4S	ED	1516
NA9A	JOE	1566	VE3OT	MITCH	1452	WA0FGV	JIGGS	1286	WZ0O	RICHARD	1526
NC2B	MARTY	1028	VE3PUA	HELEN	0378	WA1LGU	CAROL	1423	WZ0W	SLEET	1284
ND9X	FRANK	1012	VE3SLQ	MIKE	1025	WA0FV	MARK	1736	WZ8C	NANCY	0379
NF0Z	LARRY	1497	VE3TJE	BRIAN	0849	WA2CVV	LARRY	1703	WZ8U	LOREN	1712
NLSWL	BRIAN	0440	VE3UOL	DAVID	1542	WA2FVL	JOHN	1585	YO4NF	SIL	1330
NOCAL	JOHN	1483	VE5RD	BOB	0907	WA2OVT	BOB	1472	ZL2AOH	RALPH	1073
NP2DJ	DEBBIE	1489	VE6VIA	BERYL	1005						
NP2GP	MAGGIE	1287									
NP2GQ	GREG	1292									

SORTED ON ASCENDING CALLSIGN